



FCAG-B / RZASG-M *SkyAir Advance-series*

R-32 BLUEEVOLUTION

360° air discharge for optimum efficiency and comfort

- › Combination with Sky Air Advance series ensures good value for money for all types of commercial applications
- › Lowest installation height in the market: 204mm for class 71
- › Individual louvre control: flexibility to suit every room layout without changing the location of the unit
- › Modern style decoration panel is available in 4 different variations: white with grey louvers, full white, with black finishing or with Auto Cleaning panel
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications i.e. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- › No optional adapter needed for DIII-connection, link your unit directly into the wider building management system
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Reduced energy consumption thanks to specially developed small tube exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B (Black)



FCAG-B (White)

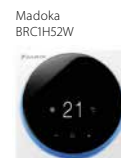


RZASG71M

RZASG100-140M



BRC7FA532F/B (optional)



Madoka BRCIH52W



WI-FI CONTROL VIA APP



WI-FI ADAPTOR

AVAILABLE AS AN OPTION





FCAG-B / RZASG-M

SkyAir Advance-series

R-32

BLUEEVOLUTION

| Indoor Units | | | Single Phase | | | | 3 Phase | | |
|---------------------------------------|-------------------------------|-------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | | | FCAG71B | FCAG100B | FCAG125B | FCAG140B | FCAG100B | FCAG125B | FCAG140B |
| Capacity | UK Total Cooling | kW | 7.28 | 10.80 | 13.60 | 14.90 | 10.80 | 13.60 | 14.90 |
| | UK Sensible Cooling | kW | 4.99 | 7.44 | 9.30 | 10.25 | 7.44 | 9.30 | 10.25 |
| | Nominal Cooling | kW | 6.8 | 9.5 | 12.1 | 13.4 | 9.5 | 12.1 | 13.4 |
| | Nominal Heating | kW | 7.5 | 10.8 | 13.5 | 15.5 | 10.8 | 13.5 | 15.5 |
| | Energy Label | | A++ | A++ | - | - | A++ | - | - |
| Seasonal Efficiency (EN14825) COOLING | Pdesign | kW | 6.8 | 9.5 | 12.1 | 13.4 | 9.5 | 12.1 | 13.4 |
| | SEER | | 6.47 | 6.55 | 5.76 | 6.53 | 6.55 | 5.76 | 6.53 |
| | ηs,c | % | - | - | 227 | 258 | - | 227 | 258 |
| | Annual Energy Consumption | kWh | 368 | 507 | 1261 | 1231 | 507 | 1261 | 1231 |
| | Energy Label | | A+ | A+ | - | - | A+ | - | - |
| Seasonal Efficiency (EN14825) HEATING | Pdesign | kW | 4.5 | 6.0 | 6.0 | 7.8 | 6.0 | 6.0 | 7.8 |
| | SCOP | | 4.10 | 4.17 | 4.05 | 4.31 | 4.17 | 4.05 | 4.31 |
| | ηs,h | % | - | - | 159 | 169 | - | 159 | 169 |
| | Annual Energy Consumption | kWh | 1537 | 2016 | 2074 | 2534 | 2016 | 2074 | 2534 |
| | Energy Label | | A+ | A+ | - | - | A+ | - | - |
| Air Flow Rate (Cooling) | High / Med / Low | m³/sec | 0.252 / 0.217 / 0.180 | 0.378 / 0.297 / 0.217 | 0.453 / 0.340 / 0.218 | 0.453 / 0.340 / 0.218 | 0.378 / 0.297 / 0.217 | 0.453 / 0.340 / 0.218 | 0.453 / 0.340 / 0.218 |
| Dimensions (with Decoration Panel) | Height | mm | 204 (269) | 246 (311) | 246 (311) | 246 (311) | 246 (311) | 246 (311) | 246 (311) |
| | Width | mm | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) |
| | Depth | mm | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) |
| Weight (with Decoration Panel) | | kg | 21 (26.5) | 23 (28.5) | 23 (28.5) | 23 (28.5) | 23 (28.5) | 23 (28.5) | 23 (28.5) |
| Sound Pressure (Cooling) | High / Med / Low | dBA | 35 / 31 / 28 | 37 / 33 / 29 | 41 / 35 / 29 | 41 / 35 / 29 | 37 / 33 / 29 | 41 / 35 / 29 | 41 / 35 / 29 |
| Sound Pressure (Heating) | High / Med / Low | dBA | 33 / 31 / 28 | 37 / 33 / 29 | 41 / 35 / 29 | 41 / 35 / 29 | 37 / 33 / 29 | 41 / 35 / 29 | 41 / 35 / 29 |
| Sound Power (Cooling) | | dBA | 51 | 54 | 58 | 58 | 54 | 58 | 58 |
| Outdoor Units | | | RZASG71MV1 | RZASG100MV1 | RZASG125MV1 | RZASG140MV1 | RZASG100MY1 | RZASG125MY1 | RZASG140MY1 |
| Dimensions | Height x Width x Depth | mm | 770 x 900 x 320 | 990 x 940 x 320 | 990 x 940 x 320 | 990 x 940 x 320 | 990 x 940 x 320 | 990 x 940 x 320 | 990 x 940 x 320 |
| Weight | | kg | 60 | 70 | 70 | 78 | 70 | 70 | 78 |
| Electrical Details | Power Supply | | 1ph | 1ph | 1ph | 1ph | 3ph | 3ph | 3ph |
| | Maximum Input Current (MCA) A | | 17.4 | 21.5 | 27.8 | 27.0 | 14.2 | 14.6 | 14.6 |
| | Max Fuse Size A | | 20 | 25 | 32 | 32 | 16 | 16 | 16 |
| Interconnection Wiring | Core / Cable Size | | 3+E / 1.5 | 3+E / 1.5 | 3+E / 1.5 | 3+E / 1.5 | 3+E / 1.5 | 3+E / 1.5 | 3+E / 1.5 |
| Piping Connections | Liquid / Gas | inches (mm) | 3/8 (9.5) / 5/8 (15.9) | 3/8 (9.5) / 5/8 (15.9) | 3/8 (9.5) / 5/8 (15.9) | 3/8 (9.5) / 5/8 (15.9) | 3/8 (9.5) / 5/8 (15.9) | 3/8 (9.5) / 5/8 (15.9) | 3/8 (9.5) / 5/8 (15.9) |
| Pipework | Maximum Length | m | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| | Maximum Vertical Rise | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | Precharged to | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | Additional charge | g/m | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| | Holding charge | kg | 2.45 | 2.60 | 2.60 | 2.90 | 2.60 | 2.60 | 2.90 |
| Sound Pressure (Cooling) | Nom / Night Quiet | dBA | 46 / 42 | 53 / 44 | 53 / 44 | 54 / 44 | 53 / 44 | 53 / 44 | 54 / 44 |
| Sound Pressure (Heating) | Nom / Night Quiet | dBA | 47 / 42 | 57 / 44 | 57 / 44 | 57 / 44 | 57 / 44 | 57 / 44 | 57 / 44 |
| Sound Power (Cooling) | | dBA | 65 | 70 | 71 | 73 | 70 | 71 | 73 |
| Operating Range (Cooling) | Min / Max | °CDB | -15 / 46 | -15 / 46 | -15 / 46 | -15 / 46 | -15 / 46 | -15 / 46 | -15 / 46 |
| Operating Range (Heating) | Min / Max | °CWB | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 |
| Air Flow Rate (Cooling) | Nominal | m³/sec | 0.933 | 1.150 | 1.183 | 1.267 | 1.150 | 1.183 | 1.267 |
| Meets ETL criteria | | | | | | • | | | • |

Accessories:

| Accessory Ref | Description | Accessory Ref | Description |
|---------------|--|--------------------|--|
| BYCQ140E | Decoration panel - White (Included as standard) | K.CWB90-2 | Condensing unit bracket - up to size 71, max weight 90kg of ODU |
| BYCQ140EB | Decoration panel - Black | K.DT1 | Condensate drip tray for use with K.CWB90-2 |
| BRP069C82 | Wifi adaptor for connection to on-line controller | SB.K.RSS_RFC | Wireless room mounted temperature sensor and receiver |
| BRC1H52W | Wired touch screen remote controller - White (Included as standard) | K.DBHQ56B140 | Sealing member for air discharge outlet |
| BRC1H52S | Wired touch screen remote controller - Silver | KDDP55C160-1 | Fresh air intake kit for up to 20% fresh air (Part 1) |
| BRC1H52K | Wired touch screen remote controller - Black | KDDP55D160-2 | Fresh air intake kit for up to 20% fresh air (Part 2) |
| BRC7FA532F | Wireless remote controller - White | KLIC-DI | KNX Interface for Sky Air and VRV systems |
| BRC7FA532FB | Wireless remote controller - Black | KRCS01-7B | Remote room mounted temperature sensor |
| BRYQ140B | Integral PIR sensor for roundflow decoration panel (for white panel) | KRP4A53 and UK.FB2 | Unit/group adaptor PCB for remote on/off, status indication and temperature setting |
| BRYQ140BB | Integral PIR sensor for roundflow decoration panel (for black panel) | RS-SE | Service and configuration tool for K.RSS |
| BYCQ140EGF | Auto Cleaning Deco Panel - White | RTD-10 and UK.FB2 | Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock |
| BYCQ140EGFB | Auto Cleaning Deco Panel - Black | RTD-20 and UK.FB2 | Energy control PCB for Sky Air and VRV |
| BYCQ140EW | Decoration Panel - Full White | RTD-NET and UK.FB2 | Modbus interface PCB for Sky Air and VRV |
| EWHR1 | Extension wire - Required if Wifi Adaptor and Auto Cleaning panel are installed together | | |
| K.CGM | Condensing unit guard (1150 x 1150 x 650) | | |

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